

## CLAIMS

1. An irrigation sprinkler, comprising:
  - an outer housing having a lower inlet end connectable to a source of pressurized water;
  - a riser vertically reciprocable along a vertical axis within the outer housing between extended and retracted positions when the source of pressurized water is turned ON and OFF;
  - a nozzle mounted at an upper end of the riser for distributing water therefrom;
  - a strainer mounted inside the outer housing and configured to filter debris from water passing through the lower inlet end of the outer housing; and
  - a scrubber mounted within the outer housing and configured for scraping accumulated debris from the strainer.
2. The irrigation sprinkler of Claim 1 wherein the strainer is mounted to a lower end of the riser.
3. The irrigation sprinkler of Claim 2 wherein the scrubber is mounted to the inlet end of the outer housing.
4. The irrigation sprinkler of Claim 1 wherein the scrubber includes at least one resilient arm that presses a wiper blade against the strainer.
5. The irrigation sprinkler of Claim 1 wherein the scrubber includes a plurality of vertically extending resilient arms each configured for pressing a wiper blade at an upper end thereof against the strainer.
6. The irrigation sprinkler of Claim 1 wherein the strainer is mounted to a lower end of the riser, and the scrubber is mounted to the inlet end of the outer housing and includes a

plurality of circumferentially spaced vertically extending arms each having a wiper blade at an upper  
end thereof for scraping an outer surface of the strainer.

7. The irrigation sprinkler of Claim 6 wherein the strainer has a frusto-conical  
configuration.

8. The irrigation sprinkler of Claim 7 wherein the scrubber has a generally cylindrical  
configuration.

9. The irrigation sprinkler of Claim 1 wherein the strainer has a finer mesh section and  
a coarser mesh section.

10. The irrigation sprinkler of Claim 9 wherein the finer mesh sections is made of a  
lattice of first openings of a first size and the coarser mesh section is made of a lattice of second  
openings of a second size larger than the first size.

11. An irrigation sprinkler, comprising:  
an outer housing having a lower inlet end connectable to a source of pressurized water;  
a riser vertically reciprocable along a vertical axis within the outer housing between  
extended and retracted positions when the source of pressurized water is turned ON and OFF;  
a nozzle mounted at an upper end of the riser for distributing water therefrom; and  
a strainer mounted inside the outer housing and configured to filter debris from water  
passing through the lower inlet end of the outer housing, the strainer having a finer mesh section  
and a coarser mesh section.

12. The irrigation sprinkler of Claim 11 wherein the strainer is mounted to a lower end  
of the riser.

13. The irrigation sprinkler of Claim 11 and further comprising a scrubber mounted  
2 within the outer housing and configured for scraping accumulated debris from the strainer.

14. The irrigation sprinkler of Claim 11 wherein the finer mesh section and the coarser  
2 mesh section are circumferentially spaced from one another.

15. The irrigation sprinkler of Claim 11 wherein the finer mesh sections is made of a  
2 lattice of first openings of a first size and the coarser mesh section is made of a lattice of second  
openings of a second size larger than the first size.

16. An irrigation sprinkler, comprising:  
an outer housing having a lower inlet end connectable to a source of pressurized water and  
a plurality of circumferentially spaced vertically extending ribs formed on an interior wall thereof;  
a riser vertically reciprocable along a vertical axis within the outer housing between  
extended and retracted positions when the source of pressurized water is turned ON and OFF;  
a nozzle mounted at an upper end of the riser for distributing water therefrom; and  
a strainer mounted inside the outer housing and configured to filter debris from water  
passing through the lower inlet end of the outer housing, the strainer having a plurality of  
circumferentially spaced projections configured and positioned to engage the ribs on the interior  
wall of the outer housing and deflect past the same to provide a ratchet mechanism that allows for  
adjustably positioning the riser in a predetermined fixed rotational relationship with the outer  
housing.

17. The irrigation sprinkler of Claim 16 wherein the strainer is mounted to a lower end  
2 of the riser.

18. The irrigation sprinkler of Claim 16 and further comprising a scrubber mounted  
2 within the outer housing and configured for scraping accumulated debris from the strainer.

TECHNICAL FIELD

19. The irrigation sprinkler of Claim 16 wherein the strainer has a finer mesh section and  
2 a coarser mesh section.

20. The irrigation sprinkler of Claim 16 wherein the projections are formed as rounded  
2 teeth.